

APS-342

Section 1. Product and Company Identification

Product Name: APS-342
Chemical Name/Family: Silicone Resin
CAS No.: Mixture
Product Use: Super hydrophobic treatment
Restrictions: For Industrial Use Only
Company: Advanced Polymer, Inc.
Address: 400 Paterson Plank Road Carlstadt, NJ 07072 U.S.A.
Telephone: 201-933-0600
Fax: 201-933-8442
24 Hour Emergency Number 800-424-9300
24 Hour Chemtrec Number 800-424-9300

Section 2. Hazards Identification

GHS Classification:

Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 2

GHS Label:



Symbol:

Signal Word: **Danger**

Hazard Classification:

Hazard Statement:

Causes serious eye damage
Causes skin irritation

Precautionary Statement:

Prevention

Wash hands and contaminated skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see supplemental first aid instructions on this SDS).

Take off contaminated clothing and wash before reuse.

Storage

No storage statement required under GHS however refer to Section 7 for current storage conditions.

Disposal

No disposal statement required under GHS however refer to Section 13 for current disposal considerations.

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Modified Silicone Resin	Proprietary	10-30
Catalyst	Proprietary	1-3
Surfactant	Proprietary	1-15
Glacial Acetic Acid	64-19-7	<0.5
Water	7732-18-5	65-75

Section 4. First Aid Measures

Skin Contact:	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Direct contact with eyes causes severe eye irritation.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.
Ingestion:	If conscious, give several glasses of water but do not induce vomiting. Get medical attention immediately.

Section 5. Firefighting Measures

Specific Hazards in Case of Fire:	By heating and fire, harmful vapors/gases may be formed. Hazardous decomposition products: oxides of carbon, silicon, formaldehyde and incompletely burnt hydrocarbons.
Fire Extinguishing Media:	Alcohol resistant foam, dry chemical powder, carbon dioxide, dry sand.
Unsuitable Extinguishing Media:	Do not use a solid water stream as it may scatter and spread fire.
Special Protective Equipment and Precaution for Firefighters:	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Firefighters must use full protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-

contained breathing apparatus.

Unusual Fire & Explosion Hazards: No information available.

Section 6. Accidental Release Measures

Personal Precautions:	Wear appropriate personal protective equipment (See Section 8). Wash contaminated skin thoroughly. Evacuate personnel to safe areas. Avoid inhaling mists and vapours. Ensure adequate ventilation. Contaminated area will be slippery.
Protective Equipment:	Wear necessary personal protective equipment. Ventilate area.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
Methods and Materials for Containment and Cleaning up:	Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

Section 7. Handling and Storage

Handling Conditions:	Ensure adequate ventilation. Respiratory protection is only recommended where ventilation or engineering controls are unable to maintain exposures below recommended levels. ***Agitate contents of container before using***
Storage Conditions:	Store locked up. Keep away from heat, sparks and open flames. Store in a cool, well-ventilated place. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Protect from moisture. Keep in original container. Protect from freezing.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	No information available.
Appropriate engineering controls:	Explosion-proof general and local exhaust ventilation.
Personal protective equipment:	
Respiratory Protection:	Recommendation in case of long or strong exposure: A NIOSH approved air purifying respirator equipped with universal multi contaminant multi-gas/vapor cartridges is recommended if exposure to chemical vapors could occur. If eye-irritating dusts or vapors are present, a full-face respirator should be worn.
Hand Protection:	Impervious gloves should be worn.
Eye Protection:	Goggles with side shields.
Skin and Body Protection:	Suitable protective clothing.
Other Protective Equipment:	Safety shower and eyewash station.
Hygiene Measures:	Wash hands and other exposed skin after use.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	White
Odor:	Slight
Odor Threshold:	No information available
% Non-volatile by Weight:	~30.0
pH:	4.5-6.5

Specific Gravity (77°F):	~1.00
% Volatile by Weight:	~70.0
% VOC:	~1.0
Melting Point/Freezing Point:	No information available
Boiling point:	No information available
Flash Point:	No information available
Evaporation Rate (BuAc=1):	No information available
Flammability (solid/gas):	No information available
Explosion Limits:	No information available
Vapor Pressure:	No information available
Vapor Density (Air=1):	No information available
Solubility (water):	Soluble
Partition Coefficient:	No information available
Auto-ignition Temperature:	No information available
Viscosity:	No information available
Decomposition Temperature:	>200°C (>392°F)

Section 10. Stability and Reactivity

Chemical Stability:	Stable under normal conditions (temperature, pressure etc.)
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	No information available
Incompatible Materials:	Acids, alkalis
Hazardous Decomposition Products:	Hazardous decomposition products: oxides of carbon, silicon, formaldehyde and incompletely burnt hydrocarbons.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	No	Ingestion:	No
------	-----	-------	-----	-------------	----	------------	----

Potential Health Effects:

Inhalation	No information available.
Ingestion:	No information available.
Skin:	Causes skin irritation
Eyes:	Causes serious eye damage.

Signs and Symptoms of Exposures:

Acute Toxicity:	No information available.
Chronic Toxicity:	No information available.
Skin corrosion/irritation	Irritating to skin.
Serious Eye damage/eye irritation	Severe eye irritation.
Respiratory or Skin Sensitization:	No information available.
Mutagenicity:	No information available.
Reproductive Toxicity	No information available
Specific target organ toxicity – single exposure	No information available
Specific target organ toxicity –	No information available

repeated exposure

Carcinogenicity:

IARC:	No	NTP:	No	OSHA:	No
-------	----	------	----	-------	----

Section 12. Ecological Information

Ecotoxicity (Aquatic and Terrestrial):	No information available
Bioaccumulative Potential	No information available
Mobility in Soil:	No information available
PBT and vPvB Assessment:	No information available
Other Adverse Effects:	No information available

Section 13. Disposal Considerations

Product:	Follow applicable federal, state and local regulations.
Disposing of Contaminated Packaging:	Treat as unused product as above.

Section 14. Transport Information

Land Transport (DOT):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Sea Transport (IMDG):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Air Transport (IATA):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Environmental Hazards (e.g., Marine pollutant):	

Section 15. Regulatory Information

International Inventories:	
TSCA (USA):	Listed
DSL (Canada):	No information available.
ENCS (Japan)	No information available.
EINECS (Europe):	No information available.
IECSC (China):	No information available.
KECL (Korea):	No information available.
PICCS (Philippines):	No information available.

AICS (Australia): No information available.

ERMA (New Zealand): No information available

Federal Regulations:

SARA 313: No Information Available

SARA 311/312:

Clean Water Act: No information available

Clean Air Act, Section 112 HAPs (See 40CFR61): No information available

State Regulations:

Massachusetts Right to Know Components: No information available

New Jersey Right to Know Components: No information available

Pennsylvania Right to Know Components: No information available

California Proposition 65: None

Section 16. Other Information

WHMIS Classification: No information available

HMIS Rating:

Health Hazard 2

Flammability: 1

Reactivity: 0

Personal Protection Equipment: X

NFPA Rating

Health Hazard: 2

Fire Hazard: 1

Reactivity Hazard: 0

Date Prepared June 25, 2020

Prepared By Advanced Polymer, Inc.

Date Revised

Revised By Advanced Polymer, Inc.

THE INFORMATION AND RECOMMENDATIONS HEREIN, ARE TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE OR INTENDED.

TO THE CUSTOMERS OF ADVANCED POLYMER, INC.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss of damage, direct, or consequential arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use. The user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. Since the manufacturer of the product described in this technical data sheet has no means of controlling the final use of the product by the consumer for the user, it is the responsibility of the immediate purchaser and any intermediate seller or sellers to inform the user of the purposes for which the product may be fit and suitable and of the properties of the product, including the precautionary measures which must be taken in order to ensure the safety of the user and of other third persons and property.

No statement made herein shall be taken as an authorization or inducement to practice any patented invention without appropriate license.